

## **PULSE CROP ECONOMICS**

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### **To Discuss More, Contact:**

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### **PRICE INFORMATION**

Statpub.com <http://www.statpub.com/stat/prices/spotbid.html>

Alberta Weekly Grain Price Report <http://www.agric.gov.ab.ca/economic/stats/wkgrain.html>  
[http://www1.agric.gov.ab.ca/\\$department/deptdocs.nsf/all/sdd6248](http://www1.agric.gov.ab.ca/$department/deptdocs.nsf/all/sdd6248) (archive)

### **USDA-AMS**

Weekly National Bean, Pea & Lentil Market Review  
[http://www.ams.usda.gov/mnreports/gl\\_gr851.txt](http://www.ams.usda.gov/mnreports/gl_gr851.txt)  
Dry Edible Bean Daily Grower Bids [http://www.ams.usda.gov/mnreports/gl\\_gr510.txt](http://www.ams.usda.gov/mnreports/gl_gr510.txt)  
Bean Market News [Bean Market News \(Tue\) – pdf](#)  
Annual Bean Market News Review [Annual Bean Market News Review - pdf](#)  
Kansas City Commodity Invitation of Bids [Kansas City Commodity – Invitation of Bids - pdf](#)  
Kansas City Commodity Awarded Bids [Kansas City Commodity-Awarded Bids - pdf](#)

### **North Dakota State University Extension Crop Budgets:**

<http://www.ag.ndsu.nodak.edu/aginfo/farmmgmt/cropbudget.htm> (archive)  
<http://www.ag.ndsu.edu/pubs/ecguides.html> (2010)

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### **INDUSTRY INFORMATION RESOURCES**

Northern Pulse Growers Association <http://www.northernpulse.com/>  
U.S. Dry Pea & Lentil Council <http://www.pea-lentil.com/>  
Saskatchewan Pulse Growers <http://www.saskpulse.com/>  
Alberta Pulse Growers <http://www.pulse.ab.ca/>  
Pulse Canada <http://www.pulsecanada.com/>  
Agriculture Agri-Food Canada – Pulse Outlook & Oilseeds Outlook  
[http://www.agr.gc.ca/mad-dam/index\\_e.php?s1=pubs&s2=spec&page=intro](http://www.agr.gc.ca/mad-dam/index_e.php?s1=pubs&s2=spec&page=intro)  
[http://www.agr.gc.ca/pol/mad-dam/index\\_e.php?s1=pubs&s2=go-co](http://www.agr.gc.ca/pol/mad-dam/index_e.php?s1=pubs&s2=go-co)  
  
NDSU, “Pulse Crop Marketing Guide”, August 2006 [www.ag.ndsu.edu/pubs/agecon/market/ec1277.pdf](http://www.ag.ndsu.edu/pubs/agecon/market/ec1277.pdf)  
  
FAO’s FAOSTAT database (international production & trade):  
<http://faostat.fao.org/site/339/default.aspx>  
<http://faostat.fao.org/site/567/default.aspx#ancor>

## PULSE CROP PRODUCTION RESOURCES

Montana State University Extension Service; MontGuide MT 200502 AG, issued May 2005 “*Growing Dry Pea in Montana*” <http://www.montana.edu/wwwpb/pubs/mt200502.html>

Montana State University Integrated Pest Management Center, “Crop Profile for Dry Peas in Montana”, Prepared Feb, 2002, <http://www.ipmcenters.org/CropProfiles/docs/MTdrypea.html>

Montana State University Extension Service; MontGuide MT 199615 AG, issued June 2001 “*Growing Lentils in Montana*” <http://www.co.yellowstone.mt.gov/extension/ag/pubs/mt9615.pdf>

Montana State University Integrated Pest Management Center, “Lentil Production in Montana” Last Update: September 13, 2001 <http://ipm.montana.edu/MPIN/Cropfiles/Lentil.htm>

Montana State University Extension Service; MontGuide MT 200204 AG, issued March 2002 “*Growing Chickpea in the Northern Great Plains*” <http://msuextension.org/publications/AgandNaturalResources/MT200204AG.pdf>

Montana State University Integrated Pest Management Center, “Growing Chickpeas (Garbanzo Beans) in Montana” Last Update: November 16, 2001, <http://ipm.montana.edu/MPIN/Cropfiles/ChickGarb.htm>

Montana State University Extension Service, “Fertilizer Guidelines for Montana Crops” <http://msuextension.org/publications/AgandNaturalResources/EB0161.pdf>

2008 North Dakota Weed Control Guide, W-253, January 2008  
<http://www.ag.ndsu.edu/weeds/w253/w253w.htm>

Alberta Agriculture, Food and Rural Development; “Pulse Crops In Alberta”, 1999.  
(\$35) webpage to order from: [http://www1.agric.gov.ab.ca/\\$department/deptdocs.nsf/all/agdex17](http://www1.agric.gov.ab.ca/$department/deptdocs.nsf/all/agdex17)

Saskatchewan Pulse Production Manual – Field Pea [www.saskpulse.com/media/pdfs/ppm-field-pea.pdf](http://www.saskpulse.com/media/pdfs/ppm-field-pea.pdf)

Saskatchewan Pulse Production Manual – Lentil [www.saskpulse.com/media/pdfs/ppm-lentil.pdf](http://www.saskpulse.com/media/pdfs/ppm-lentil.pdf)

Saskatchewan Pulse Production Manual – Chickpea [www.saskpulse.com/media/pdfs/ppm-chickpea.pdf](http://www.saskpulse.com/media/pdfs/ppm-chickpea.pdf)

## 2010 Estimate - Return After Direct Costs

### Average Dryland Yields for North Central Montana (2004 – 2008)

	PEAS	LENTILS	SPRING WHEAT	SPRING WHEAT - RECROP	MALT BARLEY	MALT BARLEY - RECROP	FEED BARLEY - RECROP	DURUM	DURUM - RECROP	WINTER WHEAT	WINTER WHEAT- RECROP
Yield (bu/acre, lb/acre)	27.0	1,018	27.4	22.0	46.4	35.8	35.8	32.9	22.7	43.8	32.0
Commodity Price (\$/bu or \$/lb)	\$6.00	\$0.19	\$5.30	\$5.30	\$3.61	\$3.61	\$2.31	\$5.96	\$5.96	\$4.59	\$4.59
<b>Crop Revenue \$/acre)</b>	<b>\$162.20</b>	<b>\$193.42</b>	<b>\$145.22</b>	<b>\$116.60</b>	<b>\$167.50</b>	<b>\$129.24</b>	<b>\$82.70</b>	<b>\$196.08</b>	<b>\$135.29</b>	<b>\$201.13</b>	<b>\$146.88</b>
<b>Direct Costs</b>											
Seed	\$43.50	\$28.00	\$8.60	\$8.60	\$8.25	\$8.25	\$8.25	\$8.25	\$8.25	\$7.50	\$7.50
Herbicides	\$25.50	\$32.50	\$18.90	\$18.90	\$17.30	\$17.30	\$17.30	\$18.90	\$18.90	\$15.40	\$15.40
Fungicides	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Insecticides	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Fertilizer	\$17.76	\$11.15	\$44.28	\$35.56	\$32.16	\$24.81	\$24.81	\$53.17	\$36.69	\$59.35	\$43.34
Legume Crop Fertilizer Credit (future crops)	(\$3.74)	(\$3.74)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Crop Insurance	\$6.40	\$16.20	\$9.60	\$9.60	\$4.60	\$4.60	\$4.60	\$10.30	\$10.30	\$9.60	\$9.60
Fuel & Lubrication	\$7.19	\$7.48	\$7.04	\$7.04	\$7.04	\$7.04	\$7.04	\$7.04	\$7.04	\$7.04	\$7.04
Trucking - to Market	\$4.70	\$5.90	\$3.17	\$2.55	\$4.30	\$3.32	\$3.32	\$3.81	\$2.63	\$5.08	\$5.08
Land Rent (enter costs only if rent will vary between crops - such as for crop share leases)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Custom Hire (Contracted Field Operations)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Machine Rent	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Direct Labor	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Direct Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Operating Interest	\$6.46	\$6.21	\$5.84	\$5.24	\$4.70	\$4.16	\$4.16	\$6.47	\$5.34	\$6.63	\$6.63
<b>Total Direct Costs (\$/acre)</b>	<b>\$107.77</b>	<b>\$103.69</b>	<b>\$97.44</b>	<b>\$87.49</b>	<b>\$78.34</b>	<b>\$69.48</b>	<b>\$69.48</b>	<b>\$107.95</b>	<b>\$89.15</b>	<b>\$110.60</b>	<b>\$94.59</b>
<b>Return After Direct Costs (\$/acre)</b>	<b>\$54.43</b>	<b>\$89.73</b>	<b>\$47.78</b>	<b>\$29.11</b>	<b>\$89.16</b>	<b>\$59.75</b>	<b>\$13.21</b>	<b>\$88.14</b>	<b>\$46.14</b>	<b>\$90.54</b>	<b>\$52.29</b>

**CAUTION:** These are estimates only, actual conditions (prices, yields) will likely be different

## 2010 Estimate - Return After Direct Costs

### Representative Irrigated Yields (Fairfield Area)

	PEAS	LENTILS	MALT BARLEY	MALT BARLEY - OPEN MARKET	SPRING WHEAT	WINTER WHEAT
Yield (bu/acre, lb/acre)	70.0	2,250.0	95.0	95.0	85.0	95.0
Commodity Price (\$/bu or \$/lb)	\$6.00	\$0.19	\$4.05	\$3.50	\$5.30	\$4.59
<b>Crop Revenue \$/acre)</b>	<b>\$420.00</b>	<b>\$427.50</b>	<b>\$384.75</b>	<b>\$332.50</b>	<b>\$450.50</b>	<b>\$436.05</b>
<b>Direct Costs</b>						
Seed	\$43.50	\$28.00	\$13.20	\$13.20	\$17.20	\$15.00
Herbicides	\$40.00	\$40.00	\$27.00	\$27.00	\$27.00	\$27.00
Fungicides	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Insecticides	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Fertilizer	\$46.00	\$24.64	\$65.84	\$65.84	\$137.38	\$128.67
Legume Crop Fertilizer Credit (future crops)	(\$3.74)	(\$3.74)	\$0.00	\$0.00	\$0.00	\$0.00
Crop Insurance	\$13.50	\$27.00	\$10.50	\$10.50	\$15.00	\$15.00
Fuel & Lubrication	\$7.48	\$7.48	\$7.04	\$7.04	\$7.04	\$7.04
Trucking - to Market	\$3.65	\$4.89	\$2.86	\$2.86	\$9.85	\$11.00
Land Rent <i>(enter costs only if rent will vary between crops - such as for crop share leases)</i>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Irrigation Costs	\$31.31	\$26.54	\$36.08	\$36.08	\$36.08	\$36.08
Custom Hire (Contracted Field Operations)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Machine Rent	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Direct Labor	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Direct Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Operating Interest	\$11.58	\$9.87	\$10.36	\$10.36	\$15.91	\$15.29
<b>Total Direct Costs (\$/acre)</b>	<b>\$193.27</b>	<b>\$164.67</b>	<b>\$172.88</b>	<b>\$172.88</b>	<b>\$265.45</b>	<b>\$255.08</b>
<b>Return After Direct Costs (\$/acre)</b>	<b>\$226.73</b>	<b>\$262.83</b>	<b>\$211.87</b>	<b>\$159.62</b>	<b>\$185.05</b>	<b>\$180.97</b>

**CAUTION:** These are estimates only, actual conditions (prices, yields) will likely be different